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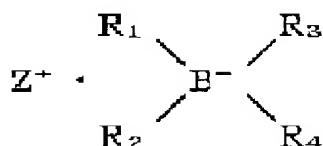
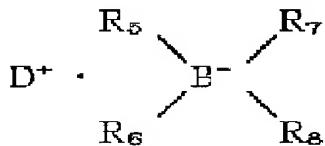
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INVENTOR : MINAMI SEIICHIRO;

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TITLE : PHOTOSetting CONDUCTIVE PASTE



ABSTRACT : PURPOSE: To obtain a low-cost paste containing a specified cationic dye having an absorption band in near infrared region, a specific sensitizer and a specified conductive substance, capable of photo-curing a composition containing a high opacifying material and reducing the amount of solvent and heating energy and useful for an electronic component, etc.

CONSTITUTION: This paste contains (A) a polymerizable unsaturated compound, (B) a catonic dye represented by $D^+ \cdot A^-$ (D is a cation having an absorption band in near infrared region; A^- is various kinds of anions), preferably formula I [R_5 to R_8 are each a (substituted) anion, a (substituted) aryl, a (substituted) allyl, a (substituted) aralkyl, a (substituted) alkenyl, a (substituted) alkynyl, a (substituted) silyl, a heterocycle or a halogen], (C) a sensitizer of formula II (a quaternary ammonium cation, a quaternary pyridinium cation, a quaternary quinolinium cation, a phosphonium cation or a metal cation; R_1 to R_4 are the same as R_5 to R_8) and (D) a conductive substance, preferably silver, copper, nickel, palladium or silver-plated copper powder.

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